

# Avadhesh Kumar Shah

Singrauli, Madhya Pradesh, India

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## Education

### VIT Bhopal University

Integrated Master of Technology in Computer Science and Engineering - CGPA: 9.25

Sep 2022 - Oct 2027

Bhopal, Madhya Pradesh

### Govt. Excellence HS School

Senior Secondary School Certificate, Class XII - Percentage: 92.6

May 2020 - May 2022

Singrauli, Madhya Pradesh

### Govt. Excellence HS School

High School Certificate, Class X - Percentage: 96

May 2019 - Oct 2020

Singrauli, Madhya Pradesh

## Technical Skills

**Programming Languages:** Python, C++, SQL, JavaScript

**Frameworks & Libraries:** NumPy, Pandas, Scikit-learn, Matplotlib

**Machine Learning:** Supervised Learning (Regression, Classification, Decision Trees, Naive Bayes), Unsupervised Learning (Clustering)

**Tools & Databases:** Git/Github, Jupyter Notebook, VS Code, Django, MongoDB

**Core Fundamentals:** Data Structures & Algorithms (DSA), OOPs, DBMS, Operating System (OS), Statistics & Probability

## Coding Profile

### Competitive Programming (Leetcode, GeeksforGeeks & Codeforces)

Jan 2023 - Present

Solved 600+ Algorithmic and Data Structure Problems

- **Leetcode:** Global Rank: 140k | Solved over 400+ DSA Problems. | [Link](#)
- **GeeksforGeeks:** University Rank: 150 | Solved over 300+ DSA Problems. | [Link](#)
- **Codeforces:** Max Rating: 1556 (**Specialist**) | Active contest participant. | [Link](#)

## Projects

### Automated Grading System | Python, Machine Learning (ML), Natural Language Processing (NLP) | [Link](#) Jul 2024 - Oct 2024

- Developed an **AI-powered Automated Grading System** using **Python** and **Machine Learning**, achieving **93% accuracy** in automated text evaluation and feedback generation.
- Engineered robust **NLP pipelines** utilizing **Tokenization** and **Lemmatization** to optimize semantic analysis.
- Architected a dynamic **Performance & Feedback Dashboard** to visualize grading analytics and student progress.

### Well-Scan | Python, Machine Learning models, OpenCV, Django, MongoDB, Gemini API | [Link](#)

Dec 2023 - May 2024

- Built an AI-driven healthcare platform using **Python** and **MongoDB**, deploying **Random Forest** and **Decision Tree** models to predict 5+ organ conditions with **90% accuracy**.
- Integrated a **Gemini API**-powered chatbot using **Django** and **OpenCV** to deliver **24/7** interactive medical guidance.
- Established a real-time doctor availability feature to optimize scheduling, resulting in a **25% reduction** in missed appointments.

## Achievements

- **AlgoUniversity Graph Camp (Dec 2025):** Secured **Rank 2** in AlgoUniversity Graph Programming Camp (**Contest Winner**).
- **Finalist - IndiGo Aspiring Leaders Program (2025):** Achieved **Finalist status** & secured a **Final-Round Interview**.
- **Top 10 Semifinalist - GrabHack:** Ranked among the **Top 10 Teams** to advance to the Semifinals in this technical hackathon.
- **STARS Scholarship:** Awarded **100%** STARS Merit Scholarship by **VIT Bhopal** for securing the District Topper rank in Class XII.
- **INSPIRE SHE Scholarship:** Secured a ₹50,000 scholarship for ranking in the **Top 1%** of the MPBSE board Class XII merit exam.

## Extracurriculars

### Management Co-lead at CloudZone Club, VIT Bhopal

Oct 2024 - Apr 2025

- Spearheaded the club's technical workshop program by orchestrating **Cloud Computing Seminars** for over **200+ students**, driving a **40% increase** in club participation and engagement.

## Certifications

- **Applied Machine Learning in Python:** Coursera | [Link](#)
- **Microsoft Azure for Data Engineering:** Microsoft | [Link](#)

## Languages

English (Fluent), Hindi (Fluent)